T BOOK

sions		Contents	Reference to last Measurement
Breadth	Depth		
5	6	7	8

Bill No. 1st and Final

BR-113/3 I/14

M. A. R. 57 (Rule 116)
Measurement Book

No. B 190263

Serial No. .....

Name of work Improvement to Road and drains at Munivanjappa layout in WNO.06 From ..... To .....

Name of Contractor of nature of Agency..... KRIDL

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	Work code No: 006-14-000024						
	Work order No: 389/18-14/21.02.2014						
	Est Amt: 20.00 lakhs.						
	Date of Reconciling: 10.5.2014						
	1) Earth work excavation by manual means in hard soil involving an average horizontal lead upto 2m and an average lift upto 0.5m etc complete						
	1st cross	2	30.00	0.45	0.45	12.12	
		2	30.00	0.45	0.40	10.80	
		2	30.00	0.45	0.40	10.80	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		2	30.00	0.45	0.45	12.15	
		2	30.00	0.45	0.35	9.45	
		2	10.80	0.45	0.45	4.37	
	Berm cutting 1st v	2	30.00	1.00	0.30	18.00	
		2	30.00	1.20	0.35	25.20	
		2	30.00	1.05	0.25	15.75	
		2	30.00	1.10	0.20	13.20	
		2	30.00	1.00	0.20	12.00	
		2	10.80	1.20	0.30	7.78	
	For cc Road	1	30.00	(3.6+3.3)/2	0.20	21.30	
		1	30.00	(3.5+3.4)/2	0.20	20.70	
		1	30.00	(3.4+3.5)/2	0.20	20.70	
		1	30.00	(3.5+3.3)/2	0.20	20.40	

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Serial No. .....

Name of work ..... Fi

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Numb
1	2	3
	Interior roads	1

Contents 7	Reference to last Measurement 8
12.15	
9.45	
4.37	
18.00	
25.20	
15.75	
13.20	
12.00	
7.78	
21.30	
20.70	
20.70	
20.40	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 190264

Serial No. ..... From ..... To .....

Name of work .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Number 3	Dimensions Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Interior ends	1	30.00	(3.3+3.4)/2	0.20	20.10	
		1	10.80	(3.4+3.5)/2	0.20	7.45	
		1	30.00	(3.3+3.2)/2	0.20	19.50	
		1	30.00	(3.2+3.3)/2	0.20	19.50	
		1	20.80	(3.3+3.4)/2	0.20	14.00	
						315.35	
						308.00	
					2	80.72/24	28087=00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
3)	Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 150 Kg/ using hommm and clown size graded granite metal corde approbate @ 0.85 cu.m etc complete						
	RoFar cc Road	1	30.00	$\frac{(3.6+3.5)}{2}$	0.15	15.98	
		1	30.00	$\frac{(3.5+3.4)}{2}$	0.15	15.53	
		1	30.00	$\frac{(3.4+3.5)}{2}$	0.15	15.53	
		1	30.00	$\frac{(3.5+3.5)}{2}$	0.15	15.30	
		1	30.00	$\frac{(3.3+3.4)}{2}$	0.15	15.08	
		1	10.80	$\frac{(3.4+3.5)}{2}$	0.15	5.58	
	Intimor Road	1	30.00	$\frac{(3.3+3.2)}{2}$	0.15	14.63	
		1	30.00	$\frac{(3.2+3.3)}{2}$	0.15	14.63	

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Serial No. .....

Name of work ..... Fro

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Numbe
1	2	3
		1
3)	Measurement Providing and fixing 20mm complete as per drawing and	16 8

BOOK

ns		Contents	Reference to last Measurement
eadth 5	Depth 6	7	8
in cement concrete 1:2:4 with 10MM and down size crushed granite metal			
6+3.5) / 2	0.15	15.88	
5+3.4) / 2	0.15	15.53	
4+3.5) / 2	0.15	15.53	
.5+3.3) / 2	0.15	15.80	
3+3.4) / 2	0.15	15.08	
.4+3.5) / 2	0.15	5.55	
.3+3.2) / 2	0.15	14.63	
.2+3.3) / 2	0.15	14.63	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

190265

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Number 3	Dimensions Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		1	20.90	(33+34)/2	0.15	10.50	
						122.74 cm	
				Qty limited to		122.40 cm	
				@		4290.84/cm	525.199 = 00
							10/5/14
	Measurement continued on: 19-5-2014						
3)	Providing and fixing 20mm thick compressible fiber board in expansion joints complete as per drawing and technical specification						
		16	3.50	–	–	56.00	
		8	3.20	–	–	25.60	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
						81.60 m	
					e	137.16/m	1115 2=10
4)	providing and laying cement concrete using 20mm and down size granite Jelly & ready mixed concrete (RMC) for RCC works laid in 15cm thick layer and well compacted &c complete						
	For cc Road	1	30.00	(3.6+3.5)/2	0.10	10.65	
		1	30.00	(3.5+3.4)/2	0.10	10.35	
		1	30.00	(3.4+3.5)/2	0.10	10.35	
		1	30.00	(3.5+3.3)/2	0.10	10.20	
		1	30.00	(3.3+3.4)/2	0.10	10.05	
		1	10.80	(3.4+3.5)/2	0.10	3.73	

M. A.
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Serial No. .....
Name of work ..... From
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Number
1	2	3
	interior Road	1
		1
		1
5)	vacum dewatering with vacuu	
	Skin floater clubbed with flo	
	machiney screed vibrating &c	

BOOK

ons		Contents	Reference to last Measurement
readth 5	Depth 6	7	8
		81.60 m	
	@	137.16/m	11192=00
le using 20 mm and down size			
RC) for RCC works laid in 15cm			
mplete			
6+3.5)	0.10	10.65	
5+3.4)	0.10	10.35	
3.4+3.5)	0.10	10.35	
5+3.5)	0.10	10.20	
3.3+3.4)	0.10	10.05	
3.4+3.5)	0.10	3.73	

M. A. R. 57 (Rule 11[illegible])
Measurement Book

No. B

190266

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date 1	Full description, etc, of work 2	Number 3	Dimensions Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	interior Road	1	30.00	(3.3+3.2)/2	0.10	9.75	C&FC.
		1	30.00	(3.2+3.3)/2	0.10	9.75	
		1	20.00	(3.3+3.4)/2	0.10	7.00	Exe. Engr. 22.12.14 Exe. Engr.
						81.83 cu	
					@	6464.88/cu	5,27,534=00
	5) vacuum dewatering with vacuum pump and suction mat and compaction with Skin floater clubbed with floating disc including cost of generator HSD & machine screed vibrating etc complete.						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	1st & R	1	30.00	(3.6+3.5)/2	-	106.50	
		1	30.00	(3.5+3.4)/2	-	103.50	
		1	30.00	(3.4+3.5)/2	-	103.50	
		1	30.00	(3.5+3.3)/2	-	102.00	
		1	~~10.80~~ 30.00	(3.3+3.4)/2	-	100.50	
		1	10.80	(3.4+3.5)/2	-	32.26	
	Interior Road	1	30.00	(3.3+3.2)/2	-	97.50	
	7th cr	1	30.00	(3.2+3.3)/2	-	97.50	
		1	20.80	(3.30+3.4)/2	-	70.02	
						818.28 sq.m	
					e	91.81 sq.m	74.80 P=0

M. A. A.
Me

Serial No. .....
Name of work ..... From From
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Number	Number
1	2	3	3
	6) Removing BS Slab drain and		
		2	2
		2	2
		2	2
			2
			2
			2

BOOK

ons Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
(3.0+3.5)/2	-	106.50	
(3.5+3.4)/2	-	103.50	
(3.4+3.5)/2	-	103.50	
(3.5+3.3)/2	-	102.00	
(3.3+3.4)/2	-	100.50	
(3.4+3.5)/2	-	3226	
(3.3+3.2)/2	-	97.50	
(3.2+3.3)/2	-	97.50	
(3.30+3.4)/2	-	70.02	
		818.28 Rm	
	e	91.81/Rm	74.80 P=00

M. A. R. 57 (Rule 116)
Measurement Book

No. B 190267

Serial No. ..... From ..... To .....

Name of work .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Number 3	Dimensions Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
6)	Removing BS Slab cleaning and stacking en complete						
		2	30.00	-	1.65	99.00	
		2	30.00	-	1.65	99.00	
		2	30.00	-	1.65	99.00	
		2	30.00	-	1.65	99.00	
		2	30.00	-	1.65	99.00	
		2	10.80	-	1.65	35.64	
						530.64 Rm	
					Equivalent to	528.00 Rm	
					@	50.11/Rm	26458 = 00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
7)	Refixing stone slabs of drains and pointing in CM (1:3) etc complete						
		2	29.40	-	1.65	96.03	
		2	25.80	-	1.65	85.14	
		2	26.00	-	1.65	85.80	
		2	25.00	-	1.65	82.50	
		2	22.80	-	1.65	75.57	
						425.04 Sq.m	
				Adj limited		422.40 Sq.m	
					e	70.04 / Sq.m	29585=00
8)	providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc complete 7.5 cm thick						
		2	19.00	-	1.35		

Serial No. .....

Name of work .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work
1	2
8)	Scarifying existing bituminous surface material with lead upto 1st crown

IT BOOK

nsions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
pointing in		CM (1:3) cc complete	
-	1.65	86.03	
-	1.65	85.14	
-	1.65	85.80	
-	1.65	82.50	
-	1.65	75.57	
		425.04 sq.m	
Obj limited		422.40 sq.m	
	@	70.04/sq.m	29585=00
ly roughly dressed and laid in			
ning cc complete 7.5 cm thick			
-	1.35		

M. A. R. 57 (Rule 116)
Measurement Book

No. B
190268

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date 1	Full description, etc, of work 2	Number 3	Dimensions Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		2	18.00	-	1.35	48.60	
						99.80 sq.m	
					@	343.44/sq.m	34001=00
	P) Scarifying existing stone metal layer up to 75 mm thick along with their bituminous surface picking up scarified material and stacking of old serviceable material with lead cc complete						
	1st coat	1	30.00	(4.8+4.5)/2	-	139.50	
		1	30.00	(4.5+4.6)/2	-	136.50	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	30.00	$\frac{(4.6+4.3)}{2}$	-	133.50	
		1	30.00	$\frac{(4.3+4.5)}{2}$	-	132.00	
		1	30.00	$\frac{(4.5+4.6)}{2}$	-	136.50	
		1	10.80	$\frac{(4.6+4.7)}{2}$	-	50.22	
						728.00 sq m	
						720.00 sq m	
					@	72.78/sq m	52,409=00
							Ch Ramappa 19/5/14
	Measurement continued on: 23.5.2014						
10)	providing laying spreading and compacting graded stone aggregates to wet mix macadam specification including premixing the material with water at one in mechanical mix plant carriage etc complete						
	1st cross	1	30.00	$\frac{(4.8+4.5)}{2}$	0.20	27.90	

Serial No. .....
Name of work .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work
1	2

BOOK

ions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
(4.6+4.3)/2 -		133.50	
(4.3+4.5)/2 -		132.00	
(4.5+4.6)/2 -		136.50	
(4.6+4.7)/2 -		50.22	
		728.00 sq	
		720.00 sq	
	@	72.78/sq	52,408=00
			19/5/14
23.5.2014			
packing cracked stone aggregates to ing premixing the material with carriage etc complete			
(4.8+4.5)/2	0.20	27.80	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 190269

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Number 3	Dimensions Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		1	30.00	(4.5+4.6)/2	0.20	27.30	
		1	30.00	(4.6+4.3)/2	0.20	26.70	
		1	30.00	(4.3+4.5)/2	0.20	26.40	
		1	30.00	(4.5+4.6)/2	0.20	27.80	
		1	10.80	(4.6+4.7)/2	0.20	10.04	
						145.64 cu	
				@ 4 (rupees 5		144.00 cu	
					@	1121.04/cu	1,61,430=00
							23/5/14.

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Measurement continued on: 30-5-2014						
	11) Cleaning the existing WBM road surface including removing of binding material and other foreign matter with wire brushes and small pieces sweeping with brooms etc complete						
	1st cross	1	30.00	(4.8+4.5)	-	139.50	
		1	30.00	(4.5+4.6)	-	136.50	
		1	30.00	(4.6+4.3)	-	133.50	
		1	30.00	(4.3+4.5)	-	132.00	
		1	30.00	(4.5+4.6)	-	136.50	
		1	10.80	(4.6+4.9)	-	50.22	
						728.22 Sq.m	

M. A
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Serial No. .....

Name of work ..... Fr

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Numb
1	2	3
	12) Providing and applying prim & high penetrity over prepared other bitumen etc complete	
	1st cross	1
		1
		1
		1

NT BOOK

ensions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
ced on: 30-5-2014			
face including removing of binding wire bullies and small pieces			
(4.8+4.5) –		138.50	
(4.5+4.6) –		136.50	
(4.6+4.3) –		133.50	
(4.3+4.5) –		132.00	
(4.5+4.6) –		136.50	
(4.6+4.9) –		50.22	
		728.22 sq m	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 190270

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Number 3	Dimensions Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
					e	720.00 sq m 10.53/sq m	7582 = 00
12)	providing and applying primer coat from 12.2 to 16.6 kg per 100 sq m for surface & high porosity over prepared surface of granular base with cut backs MC-70 or any other bitumen etc complete						
	1st coat	1	30.00	(4.8+4.5)	0.025	3.49	
		1	30.00	(4.5+4.6)	0.025	3.41	
		1	30.00	(4.6+4.3)	0.025	3.34	
		1	30.00	(4.3+4.5)	0.025	3.30	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	30.00	(4.5+4.0)/2	0.025	3.41	
		1	10.80	(4.6+4.7)/2	0.025	1.26	
						18.21 Cum	
						18.00 Cum	
					@	8881.86/Cum	179664=00
14)	Lead for disposal of debris shall be payable at carriage rates by mechanical means including loading and unloading in complete						
	Extra Item No. (1)					308.60 Cum	
					@	72.71/Cum	22511=00
							1782851=00
	IRDL charges @ 11%						196114=00
	TDF charges @ 1%						17829=00

Certificate: Certified that

30/5/14

M. A. R.
Measu

Serial No. .....
Name of work ..... From ....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Number
1	2	3

MEASUREMENT BOOK

Bill No. 1st and Final

M. A. R.
Measu

Serial No. BR-112/3 5/14

Name of work Improvements to Roads and ... From ...

Name of Contractor of nature of Agency ... K

Date of commencement of work ...

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	1978965=00 − 278018=00 = 1700947=00	IT − 33579 KST − 79159 Ten − 118738 Cur − 19789 Cash − 1979 Roy − 18234 Ven − 500 278018=00					

Date	Full description, etc, of work	Number
1	2	3
	Work code No: 006-14-00002 Work order No: 427/13-14/21.0 Est Amt: 20.00 lakhs Dat	
	1) Earthwork excavation by manual horizontal throw upto 2m and ar leveled and sides are compleli 1st cross	2 2